

03/06/02
J1051

03-07-02

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 555255012315

First Inventor Xin JIN

Title Method And Apparatus For Frequency Tracking
In A Space Time Transmit Diversity Receiver

Express Mail Label No. EL647387249US

PTO
9886
03/06/02**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 25]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 9]
5. Oath or Declaration [Total Pages 3]
- a. Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP)

of prior application No. _____ / _____

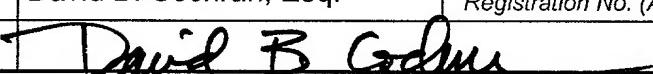
Prior application information:

Examiner _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number or Bar Code Label	 (Insert Customer No. or Attach bar code label here)			<input checked="" type="checkbox"/> Correspondence address below
Name	David B. Cochran, Esq.			
Address	Jones, Day, Reavis & Pogue			
	North Point, 901 Lakeside Ave			
City	Cleveland	State	Ohio	Zip Code 44114
Country	USA	Telephone	(216) 586-3939	Fax (216) 579-0212

Name (Print/Type)	David B. Cochran, Esq.	Registration No. (Attorney/Agent)	39,142
Signature			Date 3/6/02

Burden Hour Statement: This form is estimated to take 0 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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273,
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filed
03/
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2001

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FEE TRANSMITTAL

for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 992.00)

Complete if Known

Application Number	Not yet assigned
Filing Date	03/06/2002
First Named Inventor	Xin JIN
Examiner Name	
Group Art Unit	
Attorney Docket No.	555255012315

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 501432 (555255012315)

Deposit Account Name Jones Day Reavis & Pogue

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status See 37 CFR 1.272. Payment Enclosed: Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code (\$)	Fee 101	Fee 201	Fee 370	Fee Description Utility filing fee	Fee Paid 740.00
101	740	201	370	Utility filing fee	740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$ 740.00)

2. EXTRA CLAIM FEES

Total Claims	34	-20** =	14	x	Fee from below 18.00	=	Fee Paid 252.00
Independent Claims	2	- 3** =	0	x	84.00	=	0.00
Multiple Dependent							

Large Entity Small Entity

Fee Code (\$)	Fee 103	Fee 18	Fee 203	Fee 9	Fee Description Claims in excess of 20	Fee Paid 252.00
102	84	202	42		Independent claims in excess of 3	
104	280	204	140		Multiple dependent claim, if not paid	
109	84	209	42		** Reissue independent claims over original patent	
110	18	210	9		** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 252.00)

**or number previously paid, if greater; For Reissues, see above

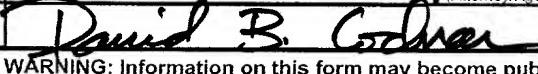
FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee 105	Fee 130	Fee 205	Fee 65	Fee Description Surcharge - late filing fee or oath	Fee Paid
127		50	227	25		Surcharge - late provisional filing fee or cover sheet	
139		130	139	130		Non-English specification	
147		2,520	147	2,520		For filing a request for ex parte reexamination	
112		920*	112	920*		Requesting publication of SIR prior to Examiner action	
113		1,840*	113	1,840*		Requesting publication of SIR after Examiner action	
115		110	215	55		Extension for reply within first month	
116		400	216	200		Extension for reply within second month	
117		920	217	460		Extension for reply within third month	
118		1,440	218	720		Extension for reply within fourth month	
128		1,960	228	980		Extension for reply within fifth month	
119		320	219	160		Notice of Appeal	
120		320	220	160		Filing a brief in support of an appeal	
121		280	221	140		Request for oral hearing	
138		1,510	138	1,510		Petition to institute a public use proceeding	
140		110	240	55		Petition to revive - unavoidable	
141		1,280	241	640		Petition to revive - unintentional	
142		1,280	242	640		Utility issue fee (or reissue)	
143		460	243	230		Design issue fee	
144		620	244	310		Plant issue fee	
122		130	122	130		Petitions to the Commissioner	
123		50	123	50		Processing fee under 37 CFR 1.17(q)	
126		180	126	180		Submission of Information Disclosure Stmt	
581		40	581	40		Recording each patent assignment per property (times number of properties)	
146		740	246	370		Filing a submission after final rejection (37 CFR § 1.129(a))	
149		740	249	370		For each additional invention to be examined (37 CFR § 1.129(b))	
179		740	279	370		Request for Continued Examination (RCE)	
169		900	169	900		Request for expedited examination of a design application	
Other fee (specify) _____							
*Reduced by Basic Filing Fee Paid							SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	David B. Cochran, Esq.	Registration No. (Attorney/Agent)	39,142	Telephone	(216) 586-3939	
Signature					Date	3/6/02

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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